

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Mazarkis, et al.
Serial No. : Not Yet Assigned
Continuation-in-part of 10/429,608 and 09/701,014
For : VECTOR SYSTEM
Filed : Herewith
Examiner : TBA
Art Unit : TBA

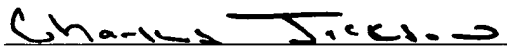
745 Fifth Avenue,
New York, NY 10151


EXPRESS MAIL

Mailing Label Number: EV 345012996 US

Date of Deposit: November 19, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: **Mail Stop Patent Application Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**


(Typed or printed name of person mailing paper or fee)


(Signature of person mailing paper or fee)

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The Examiner's attention is invited to the documents that are set forth in the accompanying form PTO-1449, enclosed in duplicate. A copy of those documents that were forwarded to or cited by the Examiner in the predecessor applications (U.S. application Serial No. 10/429,608, filed on May 5, 2003, and U.S. application Serial No. 09/701,014, filed on November 22, 2000), should be in the predecessor application files. Accordingly, no additional copy of the documents is being forwarded with this Information Disclosure Statement. Copies of newly cited documents are enclosed.

This Information Disclosure Statement is not a representation that the documents cited herein are considered most pertinent, or that a search has been undertaken, or that any of the cited documents are indeed prior art. The Examiner is invited to undertake an independent search.

Applicants respectfully request that the Examiner consider and make of record the documents cited herein and that a copy of the Form PTO-1449, initialed by the Examiner be returned to the undersigned.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP
Attorneys for Applicants

By: Anne-Marie C. Yvon
Thomas J. Kowalski
Reg. No. 32,147

Anne-Marie C. Yvon
Reg. No. 52,390
Phone (212) 588-0800

Based on Form PTO-1449 (3/90) LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	674523-2017.1	TBA
	APPLICANT	
	Mazarakis, et al.	
	FILING DATE	GROUP
	Herewith	TBA

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,817,491	10/06/98	Yee et al.			
	AB	6,080,912	06/00	Bremel et al.			
	AC	6,277,633	08/01	Olsen			
	AD	2003/0118552	06/26/03	Kaspar et al.			
	AE	2003/0118556	06/26/03	Kaspar et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AF	WO 93/01833	02/93	WIPO				
	AG	WO 94/08022	04/92	WIPO				
	AH	WO 98/05759	02/98	WIPO				
	AI	WO 95/22617	08/95	WIPO				
	AJ	WO 92/14829	09/92	WIPO				
	AK	0 261 940	03/88	EPO				
	AL	WO 92/03537	03/92	WIPO				
	AM	WO 96/09400	03/96	WIPO				
	AN	WO 93/14188	07/93	WIPO				
	AO	WO 00/55343	09/21/00	WIPO				
	AP	WO 99/61639	12/02/99	WIPO				
	AQ	WO 98/39463	09/11/98	WIPO				
	AR	WO 00/65034	11/02/00	WIPO				
	AS	WO 98/32869	07/30/98	WIPO				
	AT	WO 03/055983	07/10/03	WIPO				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AU	J.P. Gillet, et al., "Axonal Transport of Rabies Virus in the Central Nervous System of the Rat", Journal of Neuropathology and Experimental Neurology, Vol. 45, No. 6, pp. 619-634, November 1986
AV	L.C. Costantini, et al., "Gene Transfer to the Nigrostriatal System by Hybrid Herpes Simplex Virus/Adeno-Associated Virus Amplicon Vectors", Human Gene Therapy, Vol. 10, pp. 2481-2494, October 10, 1999
AW	N.D. Mazarakis, et al., "Rabies Virus Glycoprotein Pseudotyping of Lentiviral Vectors Enables Retrograde Axonal Transport and Access to the Nervous System After Peripheral Delivery", Human Molecular Genetics, Vol. 10, No. 19, pp. 2109-2121, 2001
AX	H. Lee, et al., "Efficient Gene Transfer of VSV-G Pseudotyped Retroviral Vector to Human Brain Tumor", Gene Therapy, Vol. 8, pp. 268-273, 2001

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Based on Form PTO-1449 (3/90) LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				ATTY. DOCKET NO. 674523-2017.1		SERIAL NO. TBA	
				APPLICANT Mazarakis, et al.			
				FILING DATE Herewith		GROUP TBA	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AY						
	AZ						
	BA						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	BC						
	BD						
	BF						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	BG		K.A. Mitrophanous, et al., "Stable Gene Transfer to the Nervous System Using a Non-Primate Lentiviral Vector", Gene Therapy, Vol. 6, pp. 1808-1818, 1999				
	BH		H. Mochizuki, et al., "High-Titer Human Immunodeficiency Virus Type 1-Based Vector Systems for Gene Delivery Into Nondividing Cells", Journal of Virology, Vol. 72, No. 11, pp. 8873-8883, November 1998				
	BI		J. Fleming, et al., "Adeno-Associated Virus and Lentivirus Vectors Mediate Efficient and Sustained Transduction of Cultured Mouse and Human Dorsal Root Ganglia Sensory Neurons", Human Gene Therapy, Vol. 12, pp. 77-86, January 1, 2001				
	BJ		T. Kafri et al., "A Packaging Cell Line for Lentivirus Vectors", Journal of Virology, Vol. 73, No. 1, pp. 576-584, January 1999				
	BK		Morimoto et al. PNAS, Vol. 95, pp. 3152-3156, March 1998				
	BL		Gaudin et al. Virology, Vol. 187, pp. 627-632, 1992				
	BM		Andrew Mountain, Gene Therapy: the first decade, Vol. 18, March 2000				
	BN		W. French Anderson, Human Gene Therapy, Nature Vol. 392, Supp, April 30, 1998				
	BO		Inder M. Verma et al., Gene Therapy-Promises, Problems and Prospects, Nature Vol. 389, September 18, 1997				
	BP		Eric B. Kmeic, Gene Therapy 240 American Scientist, Vol. 87, May-June 1999				
	BQ		P. Coulon et al., "An Avirulent Mutant of Rabies Virus is Unable to Infect Motoneurons In Vivo and In Vitro", Journal of Virology, American Society for Microbiology, Vol. 72, No. 1, pp 273-378, January 1998				
	BR						
	BS						
	BT						
	BU						
	BV						
	BW						
EXAMINER				DATE CONSIDERED			
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Based on Form PTO-1449 (3/90)				ATTY. DOCKET NO. 674523-2017.1		SERIAL NO. TBA		
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Mazarakis, et al.				
				FILING DATE Herewith		GROUP TBA		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	5,817,491	10/06/98	Yee et al.				
	AB	6,080,912	06/00	Bremel et al.				
	AC	6,277,633	08/01	Olsen				
	AD	2003/0118552	06/26/03	Kaspar et al.				
	AE	2003/0118556	06/26/03	Kaspar et al.				
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AF	WO 93/01833	02/93	WIPO				
	AG	WO 94/08022	04/92	WIPO				
	AH	WO 98/05759	02/98	WIPO				
	AI	WO 95/22617	08/95	WIPO				
	AJ	WO 92/14829	09/92	WIPO				
	AK	0 261 940	03/88	EPO				
	AL	WO 92/03537	03/92	WIPO				
	AM	WO 96/09400	03/96	WIPO				
	AN	WO 93/14188	07/93	WIPO				
	AO	WO 00/55343	09/21/00	WIPO				
	AP	WO 99/61639	12/02/99	WIPO				
	AQ	WO 98/39463	09/11/98	WIPO				
	AR	WO 00/65034	11/02/00	WIPO				
	AS	WO 98/32869	07/30/98	WIPO				
	AT	WO 03/055983	07/10/03	WIPO				
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AU		J.P. Gillet, et al., "Axonal Transport of Rabies Virus in the Central Nervous System of the Rat", Journal of Neuropathology and Experimental Neurology, Vol. 45, No. 6, pp. 619-634, November 1986					
	AV		L.C. Costantini, et al., "Gene Transfer to the Nigrostriatal System by Hybrid Herpes Simplex Virus/Adeno-Associated Virus Amplicon Vectors", Human Gene Therapy, Vol. 10, pp. 2481-2494, October 10, 1999					
	AW		N.D. Mazarakis, et al. "Rabies Virus Glycoprotein Pseudotyping of Lentiviral Vectors Enables Retrograde Axonal Transport and Access to the Nervous System After Peripheral Delivery", Human Molecular Genetics, Vol. 10, No. 19, pp. 2109-2121, 2001					
	AX		H. Lee, et al., "Efficient Gene Transfer of VSV-G Pseudotyped Retroviral Vector to Human Brain Tumor", Gene Therapy, Vol. 8, pp. 268-273, 2001					
EXAMINER				DATE CONSIDERED				
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

Based on Form PTO-1449 (3/90)				ATTY. DOCKET NO. 674523-2017.1		SERIAL NO. TBA	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Mazarakis, et al.			
				FILING DATE Herewith		GROUP TBA	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AY						
	AZ						
	BA						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	BC						
	BD						
	BF						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	BG		K.A. Mitrophanous, et al., "Stable Gene Transfer to the Nervous System Using a Non-Primate Lentiviral Vector", Gene Therapy, Vol. 6, pp. 1808-1818, 1999				
	BH		H. Mochizuki, et al., "High-Titer Human Immunodeficiency Virus Type 1-Based Vector Systems for Gene Delivery Into Nondividing Cells", Journal of Virology, Vol. 72, No. 11, pp. 8873-8883, November 1998				
	BI		J. Fleming, et al., "Adeno-Associated Virus and Lentivirus Vectors Mediate Efficient and Sustained Transduction of Cultured Mouse and Human Dorsal Root Ganglia Sensory Neurons", Human Gene Therapy, Vol. 12, pp. 77-86, January 1, 2001				
	BJ		T. Kafri et al., "A Packaging Cell Line for Lentivirus Vectors", Journal of Virology, Vol. 73, No. 1, pp. 576-584, January 1999				
	BK		Morimoto et al. PNAS, Vol. 95, pp. 3152-3156, March 1998				
	BL		Gaudin et al. Virology, Vol. 187, pp. 627-632, 1992				
	BM		Andrew Mountain, Gene Therapy: the first decade, Vol. 18, March 2000				
	BN		W. French Anderson, Human Gene Therapy, Nature Vol. 392, Supp, April 30, 1998				
	BO		Inder M. Verma et al., Gene Therapy-Promises, Problems and Prospects, Nature Vol. 389, September 18, 1997				
	BP		Eric B. Krnec, Gene Therapy 240 American Scientist, Vol. 87, May-June 1999				
	BQ		P. Coulon et al., "An Avirulent Mutant of Rabies Virus is Unable to Infect Motoneurons In Vivo and In Vitro", Journal of Virology, American Society for Microbiology, Vol. 72, No. 1, pp 273-378, January 1998				
	BR						
	BS						
	BT						
	BU						
	BV						
	BW						
EXAMINER				DATE CONSIDERED			
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							